

PROJECT DESCRIPTION

1. GENERAL

THIS PROJECT INVOLVES THE INSTALLATION OF HAZARD IDENTIFICATION BEACONS (H.I.B.'S) ON THE EAST, AND WEST APPROACHES ON MD 23 FOR THE JARRETTSVILLE ELEMENTARY SCHOOL ENTRANCES IN HARFORD COUNTY.

MD. 23 RUNS IN A EAST-WEST DIRECTION.

CONSTRUCTION DETAILS

1. INSTALL 14" BREAKAWAY PEDESTAL P.C.E. 10" POLE MOUNTED CABINET W/ CONTROLLER, SIGNAL HEADS (2), SIGN, 3" PVC SCHEDULE 80 BEND, TWO (2) 2" PVC SCHEDULE 80 BEND, CONCRETE PAD, PHOTOCELL, AND CONCRETE FOUNDATION. REMOVE THE EXISTING SIGN.
2. INSTALL THE PROPOSED HANDHOLE.
3. INSTALL 2" SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED).
4. INSTALL 3" SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED) - FOR SERVICE.
5. INSTALL 2" SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED) - FOR TELEPHONE DROP.
6. INSTALL 3" SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (BORED) - FOR SERVICE.
7. INSTALL 2" SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (BORED) - FOR TELEPHONE DROP.
8. INSTALL 3" BEND AT THE BOTTOM OF THE UTILITY POLE (FOR SERVICE). INSTALL 2" BEND AT THE BOTTOM OF THE UTILITY POLE (FOR TELEPHONE DROP).

A. EQUIPMENT TO BE FURNISHED BY ADMINISTRATION

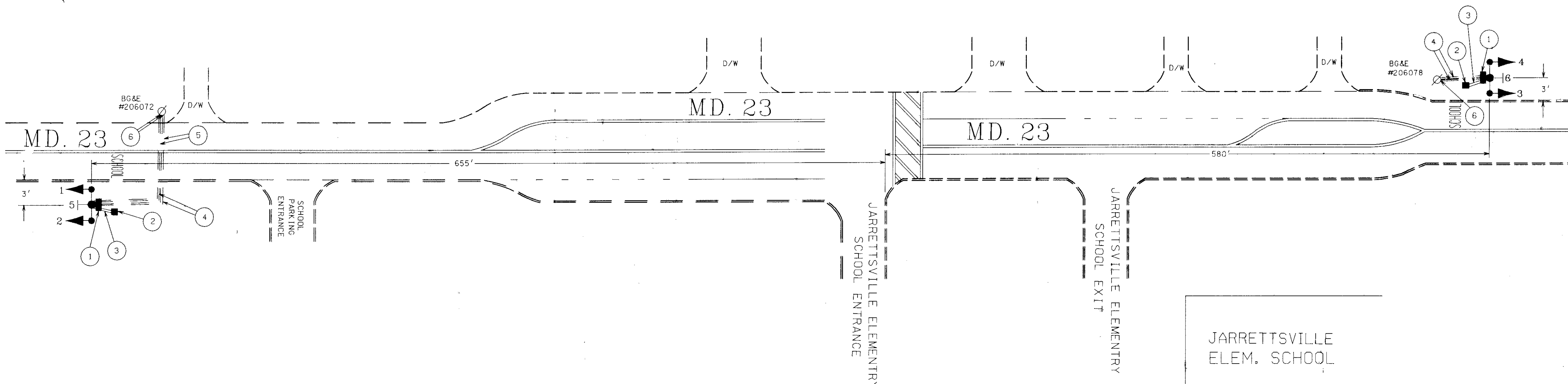
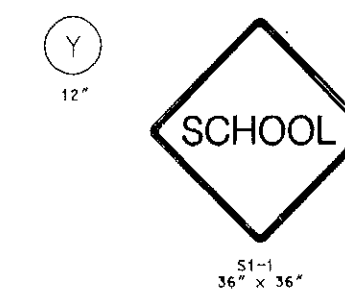
QUANTITY	DESCRIPTION
2 EACH	CONTROLLER, ASC. II W / NIC AND INTERSECTION MONITOR II WITH BATTERY BACK-UP FOR PHONE DROP HOUSED IN A 6" SIZE POLE MOUNTED CABINET
4 EACH	12" ONE WAY, ONE SECTION (Y) SIGNAL HEAD WITH ADJUSTABLE BRACKET FOR PEDESTAL MOUNTING AND TUNNEL VISORS.
18 S. F.	2 EACH 51-1 SIGN, 36" X 36", POLE MOUNTED, HARDWARE

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

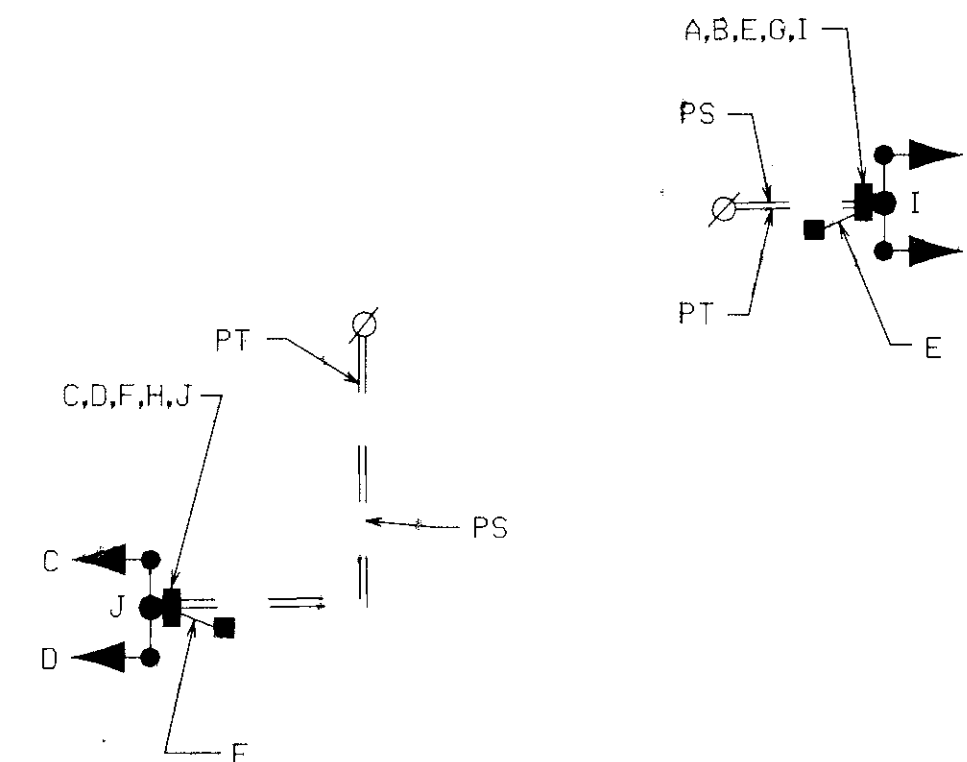
ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EACH	MAINTENANCE OF TRAFFIC
2001	1 C.Y.	TEST PIT EXCAVATION
6001	24 S.F.	F & 1 4 IN. CONCRETE SIDEWALK
6002	2 C.Y.	F & 1 CONCRETE FOR SIGNAL FOUNDATION
6003	2 EACH	F & 1 14" BREAKAWAY PEDESTAL POLE AND BASE
6011	4 EACH	INSTALL SIGNAL HEAD (ANY TYPE)
6019	2 EACH	INSTALL CONTROLLER & CABINET - POLE MOUNT
6024	100 L.F.	F & 1 2" SCHEDULE 80 RIGID PVC CONDUIT (TRENCHED)
6026	50 L.F.	F & 1 2" SCHEDULE 80 RIGID PVC CONDUIT (BORED)
6027	100 L.F.	F & 1 3" SCHEDULE 80 RIGID PVC CONDUIT (TRENCHED)
6028	50 L.F.	F & 1 3" SCHEDULE 80 RIGID PVC CONDUIT (BORED)
6033	2 EACH	F & 1 ELECTRICAL HANDHOLE
6034	2 EACH	F & 1 GROUND ROD - 3/4" DIA. X 10' LENGTH
6035	2 EACH	F & 1 CONNECTOR KIT - TYPE 1
6036	2 EACH	F & 1 CONNECTOR KIT - TYPE 2
6043	50 L.F.	F & 1 ELECTRICAL CABLE - 3 CONDUCTOR (NO. 14 AWG)
6049	50 L.F.	F & 1 ELECTRICAL CABLE - 1 CONDUCTOR (NO. 8 AWG) TYPE THWN/THHN, 600V
6049	40 L.F.	F & 1 NO. 6 STRANDED BARE COPPER GROUND WIRE
6053	18 S.F.	INSTALL GROUND MOUNTED SIGNS
6061	1 EACH	REMOVE AND DISPOSE OF EXISTING MATERIAL AND EQUIPMENT PER ASSIGNMENT
6070	2 EACH	F & 1 CONTROL AND DISTRIBUTION EQUIPMENT (120/240 V, 1 PHASE 3 WIRE SYST)
6073	2 EACH	F & 1 PHOTOCELL

PROPOSED SIGNALS & SIGNS

1-4 5-6



WIRING DIAGRAM



A-D = 3-CONDUCTOR CABLE (NO. 14 AWG)
 E-F = NO. 6 STRANDED BARE COPPER GROUND WIRE
 G-H = 1-CONDUCTOR CABLE (NO. 8 AWG) - 3 TIMES - FOR SERVICE
 I-J = 3-CONDUCTOR CABLE (NO. 14 AWG) - FOR PHOTOCELL
 PS = PROPOSED UNDERGROUND ELECTRICAL SERVICE
 PT = PROPOSED TELEPHONE DROP

<p>REVISIONS</p>	<p>APPROVALS</p> <p><i>[Signature]</i> ASST. DIVISION CHIEF, TEDD</p>	<p>MARYLAND DOT - STATE HIGHWAY ADMINISTRATION Office of Traffic & Safety TRAFFIC ENGINEERING DESIGN DIVISION</p>		
	<p>ASST. DISTRICT ENGINEER, TRAFFIC</p> <p><i>[Signature]</i> CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION</p>	<p>MD. 23 AND JARRETTSVILLE ELEMENTARY SCHOOL JARRETTSVILLE, MARYLAND</p>		
	<p>DIRECTOR, OFFICE OF TRAFFIC & SAFETY</p> <p><i>[Signature]</i> 7/6/98</p>	<p>DRAWN BY: <i>[Signature]</i> DES. BY: <i>[Signature]</i> CHECK BY: <i>[Signature]</i> SCALE: NOT TO SCALE</p>	<p>F.A.P. NO. <i>AW-2785185</i> S.H.A. NO. <i>AW-2785185</i> COUNTY <i>HARFORD</i></p>	<p>PLAN SHEET NO.: <i>TS-3807</i> SHEET NO. <i>1 OF 1</i></p>
	<p>DATE 06/1998</p>			